

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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CATEGORY: Photoelectric Smoke Detectors

LISTEE: ESL/Sentrol, 12345 SW Levetron Drive, Tualatin, OR 97062
Contact: Gene Hukkanen (503) 691-7369

DESIGN: Models 521NB, 541NB, 521NBXT, 521NCRXT, 521NCSXT, 521NCSRXT, 541NBXT, 541NCSRXT, 541NCSXTE, 541NCSRH, 541NCRXT, 541NCXTE and 541NCSXT photoelectric type, conventional smoke detectors. All models except 521NB and 541NB employ a supplemental heat sensor. Models with NCS suffix also employ an integral supplemental three pulse temporal sounders. The integral heat sensor and sounder are intended for use only as a supplemental to the smoke detector. They are NOT approval for use as a required initiating or indicating devices. Refer to listee's data sheet for detailed product description and operational considerations.

RATING: 6.5-33 VDC

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as photoelectric smoke detectors for use with separately listed compatible fire alarm control units.

NOTE: The photoelectric type detectors are generally more effective at detecting slow, smoldering fires, which smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding. The ionization type detectors are generally more effective at detecting fast, flaming fires, which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a waste container or a grease fire in the kitchen.

06-16-2002 BH



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JULY 23, 2002**

*Listing Expires **June 30, 2003***

Authorized By: **DIANE K. AREND**, Senior Deputy
Program Manager